ISRCS 2009

2nd International Symposium on Resilient Control Systems
August 11-13, 2009

The major purpose of this symposium is to extend and endorse particular concepts that will lead to research needs definitions for resilient control systems. There will be two tracks for this year's symposium, with control systems and control theory sessions included under these tracks:

- **Human Systems** – The human ability to quickly understand novel situations, employ heuristics and analogy can provide additional control system resilience; however, complexity, environment and individual elements can affect this ability.
- **Cyber Awareness** – Because of the human element of a malicious actor, traditional methods of achieving reliability cannot be used to characterize cyber awareness and resilience. Novel techniques in characterizing wellness and randomizing system response to the adversary are needed.

*Hosted in Idaho Falls, ID
Near Yellowstone & Grand Teton Parks*

Submission Schedule
- Paper Submission Due: ~~May 16, 2009~~ June 1, 2009
- Notification of Paper Acceptance: June 30, 2009
- Final Paper Submission: July 20, 2009
- Registration: August 1, 2009
- Symposium Website: https://secure.inl.gov/isrcs2009/

Call for Papers
Paper submission will be handled through the symposium website listed above. Please refer to this website for the latest information.

Venue (transportation from accommodations provided)
University Place
1784 Science Center Dr
Idaho Falls, ID 83402

Accommodations (Ask for ISRCS Symposium)
- Ameritel Inn (208) 523-1400
- Shilo Inn (208) 523-0088

Schedule
- Day 1: Tutorial Sessions
- Day 2: Paper Sessions
- Day 3: Panel Discussions

Topical Areas (including, but not limited to)
- Human Machine Interaction: cognitive modeling, machine learning, digital human modeling
- Human Systems Design: environmental configuration, tailored presentation
- Control Theory: intelligent, reconfigurable, optimal
- Control Framework: supervisory, multi-agent, distributed intelligence
- Control Security: decoys, randomization, diversity, training and cognition, decision making, measurement
- Cyber Architecture: health indicators, defense optimization

Keynote Speakers
- Prof. Ross Anderson, Univ. of Cambridge, U.K.
- Prof. David Woods, Ohio State University, U.S.A.
- Prof. John Doyle, California Institute of Technology, U.S.A
- Mr. Michael Assante, North American Electric Reliability Corporation, U.S.A

Benefits
- Opportunity to participate in an evolving focus area within critical infrastructure protection
- Reduced registration fee for IEEE IES members
- Optional trip to area attraction(s)

General Chairs
- Craig Rieger, Idaho National Laboratory
- Milos Manic, University of Idaho

Track Chairs
- Cyber Awareness, Eugene Santos, Dartmouth College
- Human Systems, Najmedin Meshkati, University of Southern California

Technical Co-Sponsor
- IEEE Industrial Electronics Society

Technical Program Committee
- Kevin Moore, Colorado School of Mines
- Thomas Larson, Idaho National Laboratory
- Marco Schoen, Idaho State University
- Charles Tolle, South Dakota School of Mines and Technology
- Zachary Tudor, SRI International
- Juan Jose Rodriguez Andina, University of Vigo
- Raghunathan Rengasamy, Clarkson University
- Parag Lala, Texas A&M
- Azad Azadmanesh, University of Nebraska, Omaha
- Dian Hooie, NETL
- Axel Krings, University of Idaho

Organizers
- Idaho National Laboratory
- University of Idaho
- Idaho State University

Advisory Board
- Venkat Venkatasubramanian, Purdue University
- Subbaram Naidu, Idaho State University
- Miles McQueen, Idaho National Laboratory

Contact Information

Symposium Secretary: Michelle Blacker	**Symposium Logistics:** Angela Good	**Symposium Chair**: Craig Rieger
(208) 526-6184 • michelle.blacker@inl.gov	(208) 526-9613 • angela.good@inl.gov	(208) 526-4136 • craig.rieger@inl.gov

IEEE Celebrating 125 Years of Engineering the Future • ies • INL Idaho National Laboratory • University of Idaho • Idaho State UNIVERSITY